User's Manual

G-Ignition™

Important

Please read this User's Manual carefully to familiarize yourself with safe and effective usage.

- **The latest software and User's Manual are available for download from our web site:**
  http://www.eizoglobal.com

EIZO®

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Chapter 1 Introduction

G-Ignition is software for adjusting a monitor from a computer through a USB interface using a mouse and keyboard.

1-1. Features

Color Adjustment

The monitor's color adjustment function can be controlled from the software. When using the software in a multi-monitor environment, batch adjustment is possible if the monitors are the same model. The adjustment values can also be exchanged with other computers by using the adjustment value import/export function. This means that a group of people playing the same game can share adjustment values.

Hot Key Settings

Functions of the monitor can be registered to keys on the keyboard. When using the software in a multi-monitor environment, batch registration is possible if the monitors are the same model.

Auto Color Function

By registering color modes for individual applications, the color mode of the monitor can be switched automatically for each application.

Note: Example of use

- If a color mode is adjusted to be dedicated to a specific application, and that color mode is registered for the application using the Auto Color function, the dedicated monitor settings are selected when the application is started up.

Auto-applied Color Profile

When G-Ignition is started, a color profile (temperature 6500 K, gamma 2.2) suitable for the monitor in use is automatically applied. Appropriate color management can be performed when the color mode of the monitor is set as "Web/sRGB" (FS2434), or "Web" (FG2421).

Chapter 2 Setup

2-1. System Requirements

The G-Ignition software operates under the systems shown below.

OS	Microsoft Windows 8.1 (32 bit edition or 64 bit edition) Microsoft Windows 8 (32 bit edition or 64 bit edition) Microsoft Windows 7 Service Pack 1 (32 bit edition or 64 bit edition)
Computer	Built-in USB

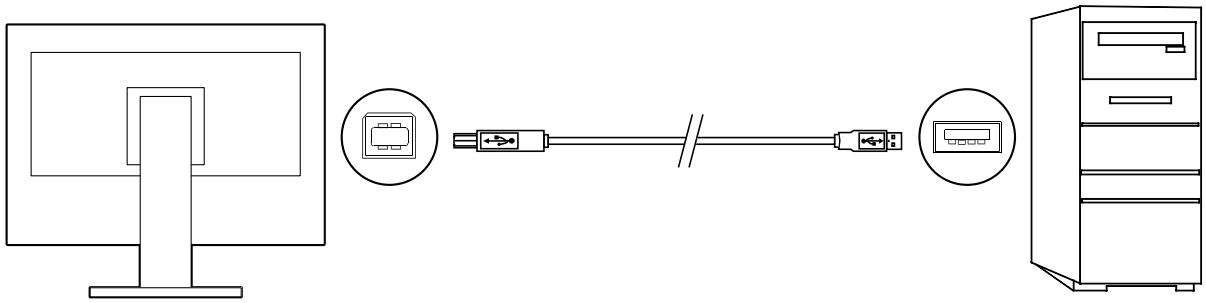
Attention

- The following software cannot be used with G-Ignition at the same time. If any of the following software is installed, they will be uninstalled when G-Ignition is installed.
  - ScreenManager Pro
  - ScreenManager Pro for Gaming
  - ScreenManager Pro for LCD
  - ScreenManager Pro for LCD (DDC/CI)
  - ScreenManager Pro for Medical
  - EIZO EcoView NET Client

2-2. Installing the Software

1. Connect the USB cable

Connect the USB downstream port of the computer and the USB upstream port of the monitor with the USB cable.



Note

- For details on setting up USB devices, see the user's manual for the monitor.

2. After unzipping the downloaded file, double-click “Launcher.exe”

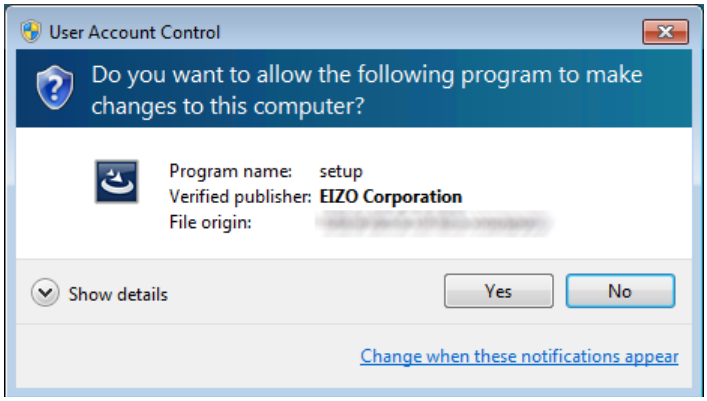
A Menu screen opens automatically. Click “G-Ignition”.

3. Install the software

Clicking “Install” starts the installer.

Note

- The “User Account Control” dialog box may appear. *1
  Click “Yes” to open the menu.

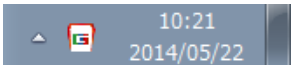


*1: Depending on your settings, the “User Account Control” dialog box may not be displayed.

Follow the instructions to install the software.

When installation is completed, the G-Ignition starts and the icon appears in the Windows notification area.

When G-Ignition is started, a color profile (temperature 6500 K, gamma 2.2) suitable for the monitor in use is automatically applied. Color matching can be optimized when the color mode of the monitor is set as “Web/sRGB” (FS2434) or “Web” (FG2421).



2-3. Icon Display

While G-Ignition is running, an icon is displayed in the notification area. The color of the icon changes according to the operating status.

	G-Ignition is active.
	G-Ignition is not active. The software cannot recognize the monitor. Check whether the USB cable is connected correctly. If the problem persists turn the computer off and back on.

Note

- When using the software in a multi-monitor environment, also read “Chapter 7 Using in Multi-Monitor Environments” (page 18).

2-4. Uninstalling the Software

● Windows 8.1

1. Click ⓓ at the bottom of the “Start” screen

The “Apps” screen appears.

2. Click “Control Panel “under “Windows System”

3. Select and click “Uninstall a program”

4. Select “G-Ignition” from the list, then click “Uninstall”

● Windows 8

1. Right-click the mouse on the “Start” screen at a position where there are no tiles

App commands appear at the bottom of the screen.

2. Click “All apps”

3. Click “Control Panel” under “Windows System”

4. Select and click “Uninstall a program”

5. Select “G-Ignition” from the list, then click “Uninstall”

● Windows 7

1. Click the start button and open the “Control Panel”

2. Select and click “Uninstall a program”

3. Select “G-Ignition” from the list, then click “Uninstall”

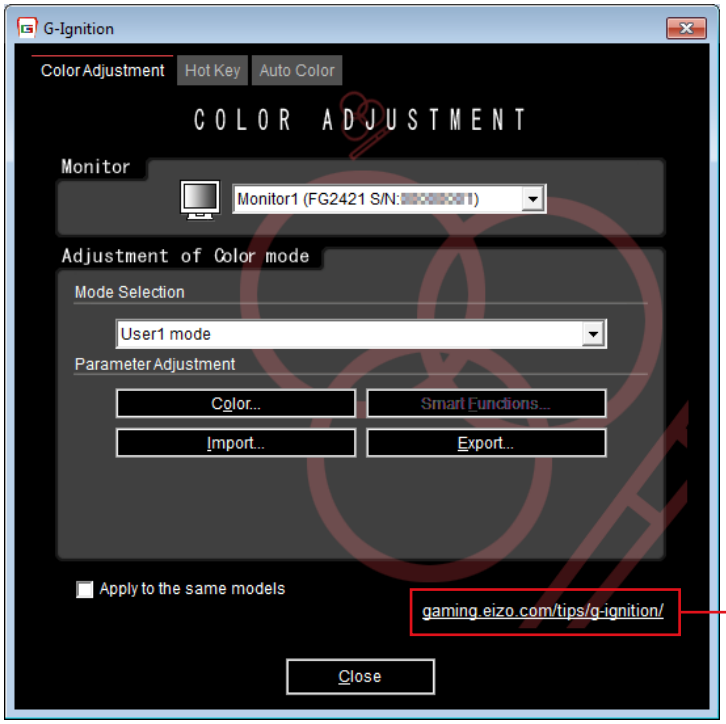
Chapter 3 Displaying and Exiting the Setting Window

3-1. Displaying the setting window

Right click the G-Ignition icon in the notification area, then select “Setting of G-Ignition” from the list.
The G-Ignition setting window appears.

Note

- The setting window can also be displayed by double clicking the G-Ignition icon in the notification area.
- If the G-Ignition icon is not found in the notification area, use the following method to start up the software.
  - Windows 8.1:
    Click ⓓ on the “Start” screen and then click “G-Ignition Ver. x.x.x” on the “Apps” screen.
  - Windows 8:
    On the “Start” screen, click the tile displayed as “G-Ignition Ver. x.x.x”.
  - Windows 7:
    Click “start” – “All Programs” – “EIZO” – “G-Ignition” – “G-Ignition Ver. x.x.x”.



Click to visit our website.

3-2. Exiting the setting window

Click “Close” on each setting window.

3-3. Version

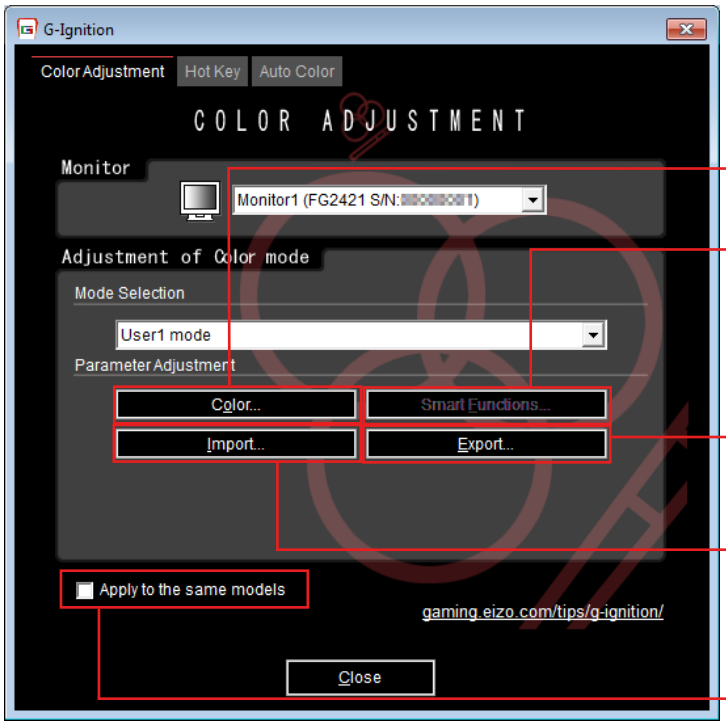
The version of G-Ignition can be displayed by clicking the icon at the left end of the G-Ignition title bar and selecting “About”.

Chapter 4 Color Adjustment

Independent color adjustments can be set for each color mode. Color adjustment data can also be imported and exported from files.

Attention

- Importing and exporting of color adjustment data can only be done in the User mode.



For basic color adjustment (see “4-1. Color Adjustment” (page 10))

Smart Functions are available when using the FS2434 monitor (see “4-2. Smart Functions (Only for FS2434)” (page 11)).

For exporting the set color adjustment information to a file (see ”Exporting” (page 13))

For importing color adjustment information from a file (see ”Importing” (page 12))

Check this box to apply the same color adjustments to all monitors of the same model.

4-1. Color Adjustment

1. In a multi-monitor environment, select the monitor to be adjusted from the “Monitor” pull-down menu

Attention

- If any monitor is not listed, select it manually by referring to ”7-1. Manual Setting” (page 18).

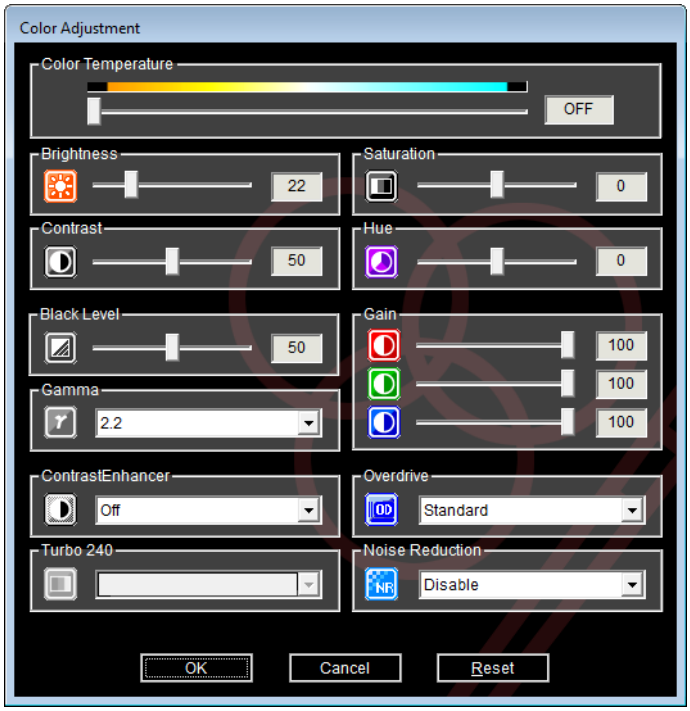
2. From the “Mode Selection” pull-down menu, select the color mode that will be the target of the color adjustment

3. Click “Color Adjustment”

The Color Adjustment screen is displayed.

4. Adjust each parameter

Like at the monitor, “Brightness”, “Contrast” and so on can be adjusted. The items that can be adjusted on this screen are the same as those that can be adjusted using the monitor’s color adjustment function. (To check the items that can be adjusted using the monitor’s color adjustment function, see the user’s manual for the monitor.)



Note

- Clicking “Reset” returns only the color mode currently being used to the factory settings.

5. Click “OK”

4-2. Smart Functions (Only for FS2434)

1. In a multi-monitor environment, select the monitor to be adjusted from the “Monitor” pull-down menu

Attention

- If any monitor is not listed, select it manually by referring to ”7-1. Manual Setting” (page 18).

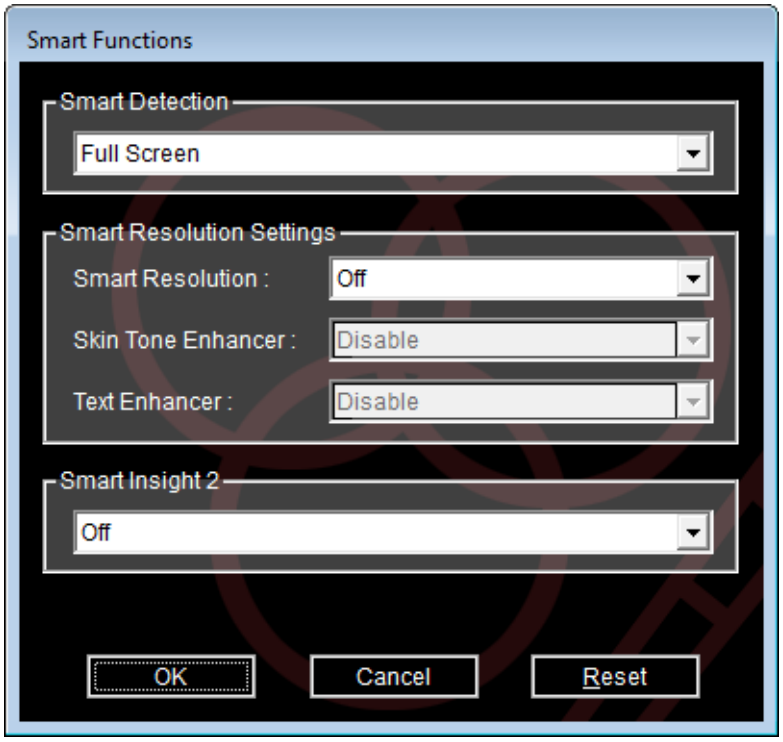
2. Select the color mode to configure from the “Mode Selection” pull-down menu

3. Click “Smart Functions”

The Smart Functions screen is displayed.

4. Set each item

The items that can be set on this screen are the same as those which can be set in the “Smart Functions” menu of the FS2434 monitor. For details, see the User’s Manual of the FS2434 monitor.



Note

- Clicking “Reset” returns the Smart Functions settings of the color mode currently being used to the factory settings.

5. Click “OK”

4-3. Importing/Exporting Color Adjustment Data

Color adjustment data can be imported from a file or exported to a file.

Note

- Data exported from ScreenManager Pro for Gaming can also be imported to G-Ignition.

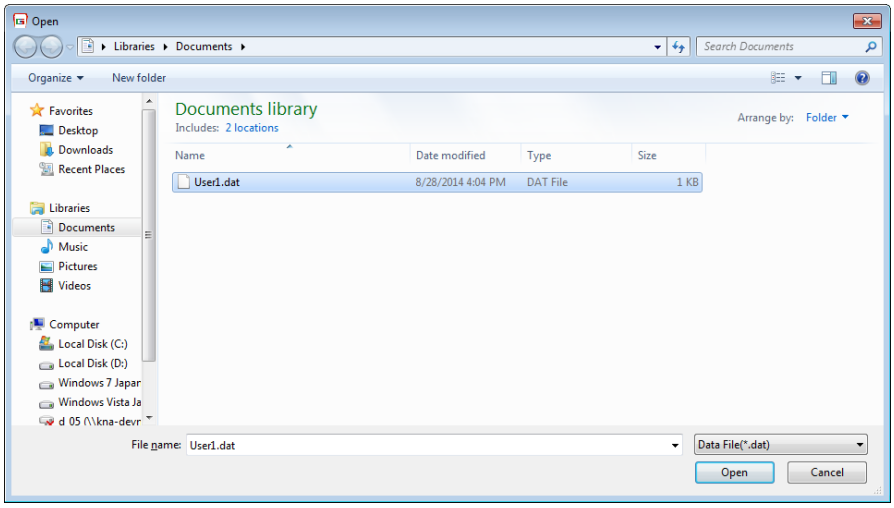
● Importing

Import a data file and set it to the monitor.

1. From the “Mode Selection” pull-down menu, select the color mode that is to be the target of the color adjustment

2. Click “Import”

3. Select the file to be imported and click “Open”



The file is imported and the color adjustment data is applied to the monitor.

● Exporting

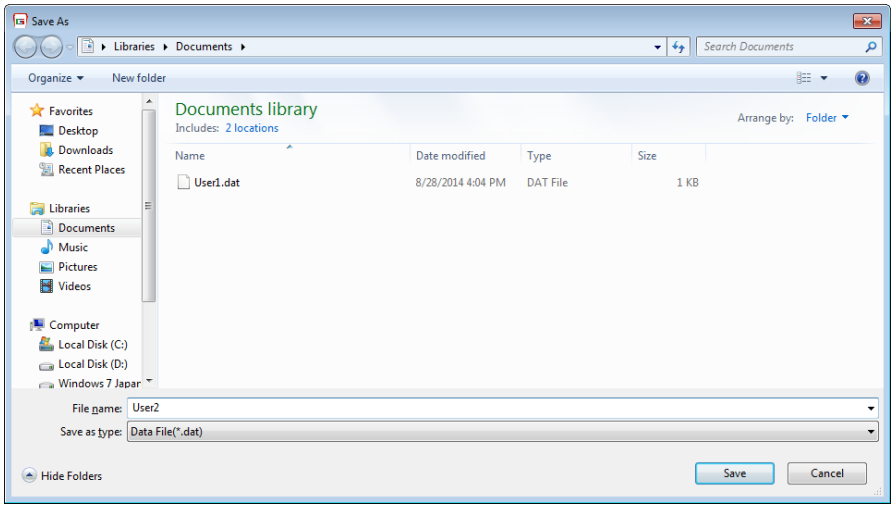
Export color adjustment data to a file.

1. From the “Mode Selection” pull-down menu, select the color mode to export color adjustment data from

2. Click “Export”

The file save dialog box appears.

3. Specify the filename, then click “Save”



File export is completed.

Chapter 5 Hot Key

Functions on the monitor can be assigned to keys on the keyboard. By pressing keys on the keyboard, the same operation as executing a function is performed.

Attention

- While G-Ignition is running, keys set to G-Ignition cannot be used in other applications.
- Hot key settings cannot be changed according to the application being used.

Note

- When the software is used in a multi-monitor environment and the same hot key setting is applied to all the monitors, the registered function will be actuated at all the monitors at the same time when the hot keys are pressed.

FS2434

Check this box to set the same hot key for all monitors of the same model.

FG2421

Check this box to set the same hot key for all monitors of the same model.

5-1. Setting Hot Keys

1. In a multi-monitor environment, select the monitor for which the setting is to be made from the “Monitor” pull-down menu

Note

- If any monitor is not listed, select it manually by referring to “7-1. Manual Setting” (page 18).

2. Set the hot key

Move the cursor to the box of the item to be set for a hot key and press any key(s). Pressing the “Delete” key or “Back Space” key will display “None” in the box and cancel the setting.

Note

- The following keys cannot be set.
  - Modifier keys (Shift, Ctrl, Alt), either in isolation or in combination with other modifier keys only (e.g. “Ctrl + Shift”)
  - Combinations of keys that are registered to the system (e.g. “Ctrl + Alt + Delete”)
  - The following keys, either in isolation or in combination with a modifier key(s):
    - Tab, Enter, Esc, Delete, BackSpace, Windows (⊞)
  - “F12” key in isolation
  - “Shift+Caps Lock” key

3. Click “Close”

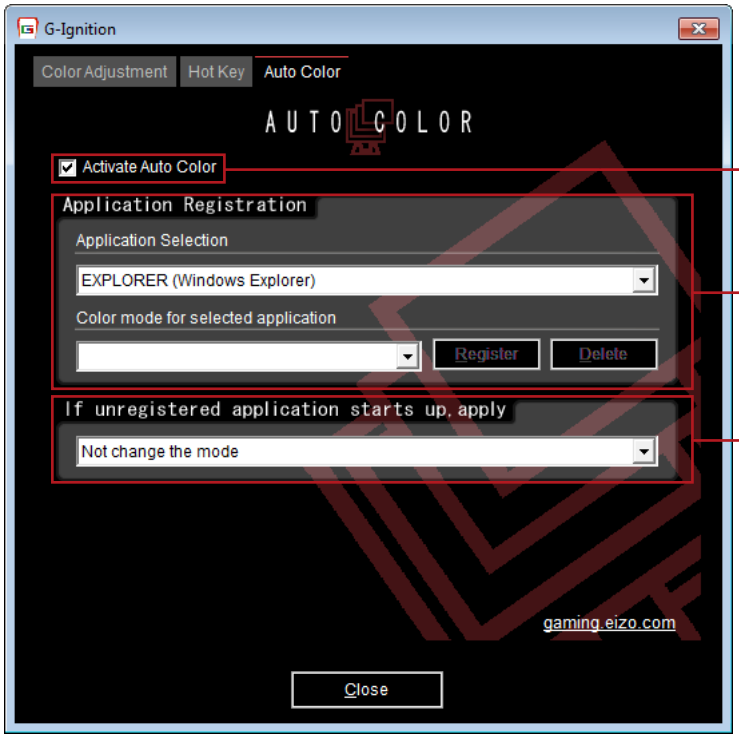
The hot key setting will become effective.

Chapter 6 Auto Color

By registering color modes for individual applications, the color mode of the monitor can be switched automatically for each application.

Attention

- To run the Auto Color function, the G-Ignition icon must be resident in the notification area.



Check to activate the Auto Color function.

Used to register a color mode for an application, or delete registration.

See "6-2. Associating Color Modes with Unregistered Applications" (page 17).

6-1. Setting Auto Color

To set the Auto Color function, use the following procedure to register color modes in association with applications.

1. Check the "Activate Auto Color" check box

2. Select the application from the "Application Selection" pull-down menu

Note

- Application names that have been active and that have been already registered as color modes are displayed in the pull-down menu.
- It is not possible to register a color mode for the Windows Desktop.

3. Select the color mode from the "Color mode for selected application" pull-down menu

Note

- The color modes shown in the pull-down menu differ depending on the monitor model.
- For details on the color mode, see the user's manual for the monitor.

4. Click “Register”

The association between the application and color mode is registered.

5. If proceeding to register the application, repeat steps 2 to 4

6. Click “Close”

The Auto Color settings come into effect. When a registered application becomes active, the monitor’s color mode automatically switches to the one associated with the application.

6-2. Associating Color Modes with Unregistered Applications

This is the procedure for associating a color mode with an application for which no particular color mode has been registered at “Application Registration”. When an unregistered application becomes active, the color mode of the monitor is automatically switched to the associated color mode.

1. Select a color mode from the “If unregistered application starts up, apply” pull-down menu and set it

Note

- If “Not change the mode” is selected, the same color mode remains displayed and is not changed.

Chapter 7 Using in Multi-Monitor Environments

G-Ignition can be used in a multi-monitor environment, and used to adjust and operate multiple EIZO monitors.
Check the following points before such use. If any of these problems apply, adjust the monitors manually.

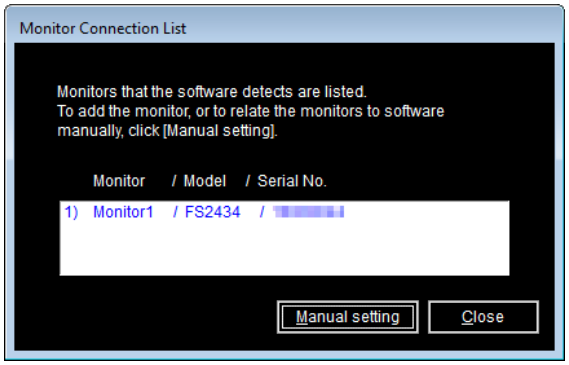
- With the USB cable connected correctly, the G-Ignition icon is displayed in black and white even when the computer is restarted.
- The connected monitor is not shown in the “Monitor” pull-down menu on the setting window.
- The target monitor cannot be controlled, or a different monitor is being controlled.

Note

- The selection for “Monitor” can be checked on the setting screen (“Color Adjustment”, “Hot Key”).

7-1. Manual Setting

1. Right click the G-Ignition icon in the notification area, and select “Show monitor connection list” from the list


Monitor Connection List
Monitors that the software detects are listed.
To add the monitor, or to relate the monitors to software manually, click [Manual setting].
Monitor / Model / Serial No.
1) Monitor1 / FS2434 /
Manual setting
Close

2. Click “Manual setting”

3. Associate the monitor(s) by following the instructions on the screen

Chapter 8 Troubleshooting

Problem	Possible cause and remedy
1. The icon is not shown in the notification area	• If your OS is Windows 8.1, click ⓓ on the “Start” screen and then click “G-Ignition” on the “Apps” screen. • If your OS is Windows 8, click the tile displayed as “G-Ignition Ver. x.x.x” in the Start Screen. • If your OS is Windows 7, click “Start” - “All Programs” - “EIZO” - “G-Ignition” - “G-Ignition Ver. x.x.x” to start up the software.
2. The icon is in black and white 	• Check if the USB cable is connected. • Turn off the PC and turn it back on. • If the problem persists, follow the procedure described in “7-1. Manual Setting” (page 18).
3. Auto Color is not functioning	• The G-Ignition icon must be resident in the notification area for Auto Color to function. • Confirm that the “Activate Auto Color” option in the “Auto Color” tab is checked. • Close the G-Ignition setting window. Closing the setting window enables the function.
4. Hot Key is disabled	• Close the G-Ignition setting window. Closing the setting window enables the function.
5. In a multi-monitor environment, the target monitor cannot be adjusted or operated / a different monitor is adjusted or operated	• The USB connected monitor may not be linked correctly to the software. Follow the procedure described in “7-1. Manual Setting” (page 18).

Chapter 9 Glossary

Gain

This is used to adjust each color parameter for red, green and blue. An LCD monitor displays the color by the light passing through the panel color filter. Red, green and blue are the three primary colors. All the colors on the screen are displayed by combining these three colors. The color tone can be changed by adjusting the light intensity (volume) passing through each color's filter.

Gamma

Generally, the monitor brightness varies nonlinearly with the input signal level, which is called "Gamma Characteristic". A small gamma value produces a low-contrast image, while a large gamma value produces a highcontrast image.

Temperature

Color temperature is a method to measure the white color tone, generally indicated in degrees Kelvin. The screen becomes reddish at a low temperature, and bluish at a high temperature, like the flame temperature.
5000 K: Slightly reddish white
6500 K: White referred to as daylight-balanced color
9300 K: Slightly bluish white

Appendix

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